

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058301.D
 Acq On : 23 Sep 2019 18:28
 Operator : JC/SP
 Sample : K4975-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20190918

Quant Time: Sep 24 01:35:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	474981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	784162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	362683	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.58	113	249207	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	10.08	98	985550	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.41	95	311324	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	

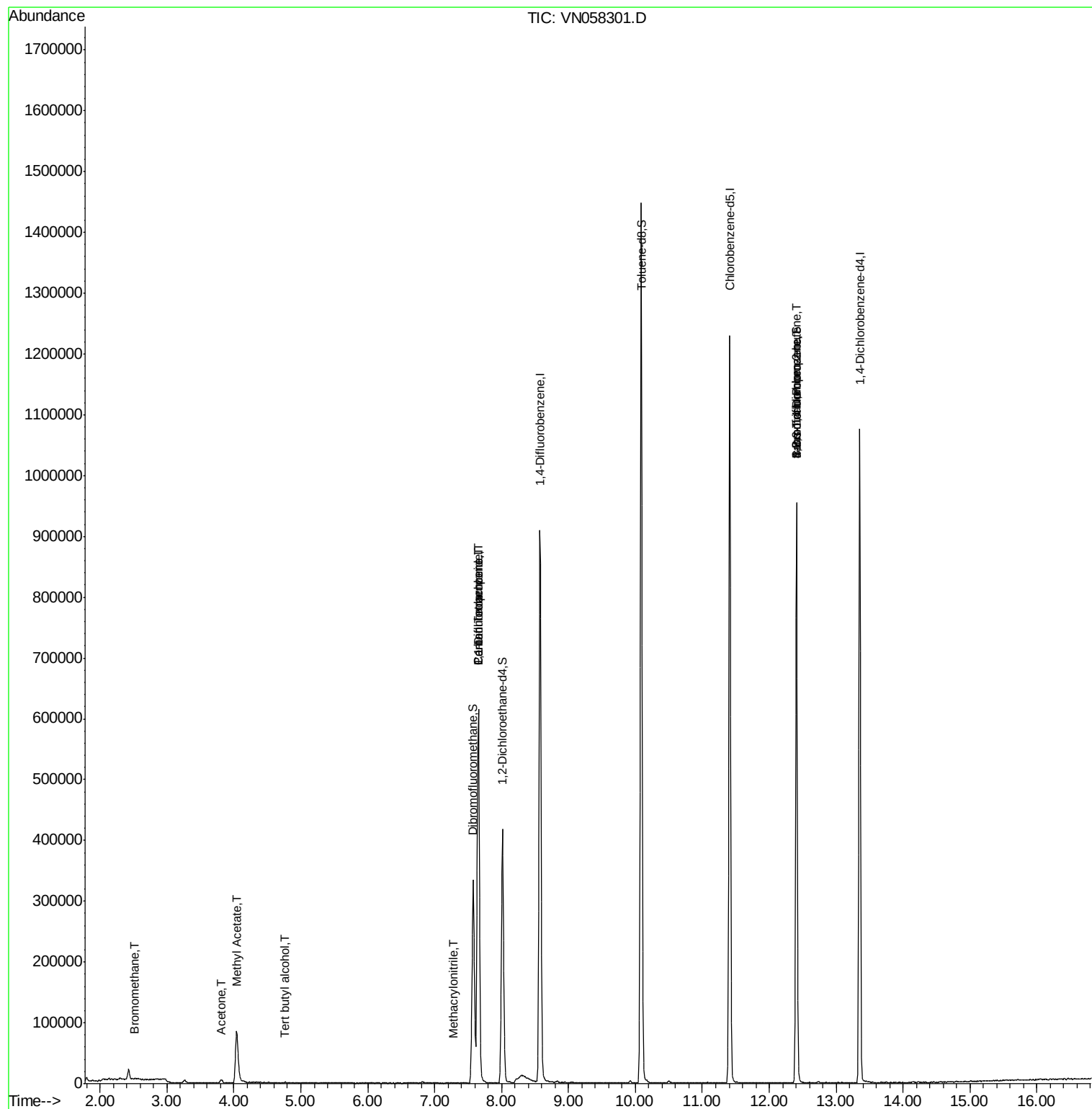
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1085	Below Cal	#	82
5) Bromomethane	2.52	94	29	0.739	ug/l #	4
6) Chloroethane	2.68	64	115	Below Cal	#	44
11) Tert butyl alcohol	4.76	59	1566	1.990	ug/l #	71
16) Acetone	3.80	43	9367	4.171	ug/l	97
18) Methyl Acetate	4.04	43	35885	6.073	ug/l #	53
20) Methylene Chloride	4.54	84	622	Below Cal	#	58
31) Cyclohexane	7.65	56	12805	Below Cal	#	16
36) 1,1-Dichloropropene	7.65	75	42269	7.475	ug/l #	51
38) Carbon Tetrachloride	7.65	117	49032	8.626	ug/l #	15
41) Methacrylonitrile	7.27	41	108	0.947	ug/l #	100
71) Bromoform	12.40	173	473	3.734	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	170868	35.455	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	170868	99.105	ug/l #	5

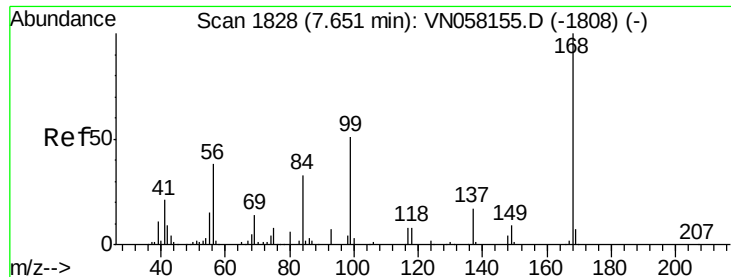
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058301.D

Acq: 23 Sep 2019 18:28

Instrument :

MSVOA_N

ClientSampleId :

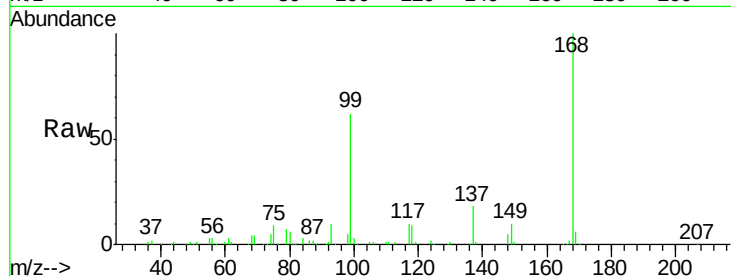
DUP06-20190918

Tot Ion:168 Resp: 474981

Ion Ratio Lower Upper

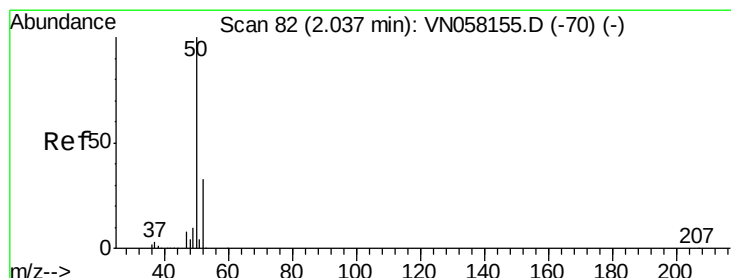
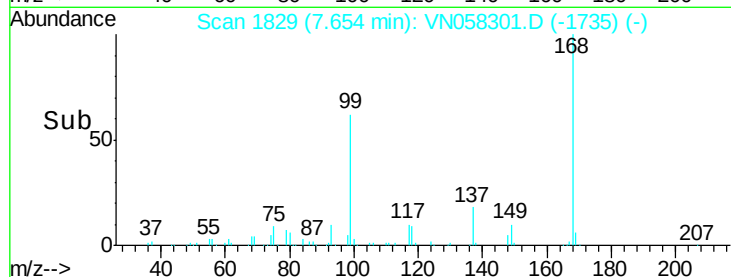
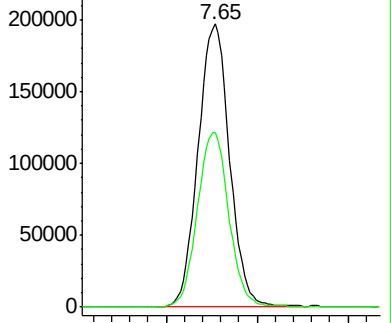
168 100

99 61.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058301.D

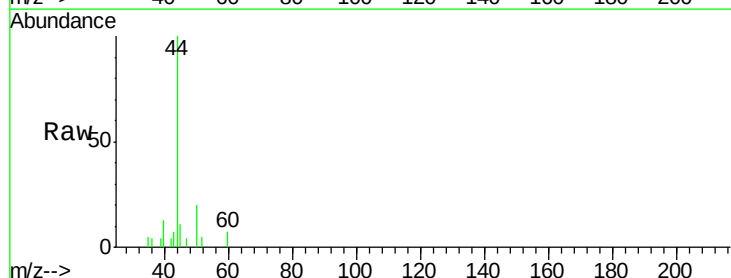
Acq: 23 Sep 2019 18:28

Tgt Ion: 50 Resp: 1085

Ion Ratio Lower Upper

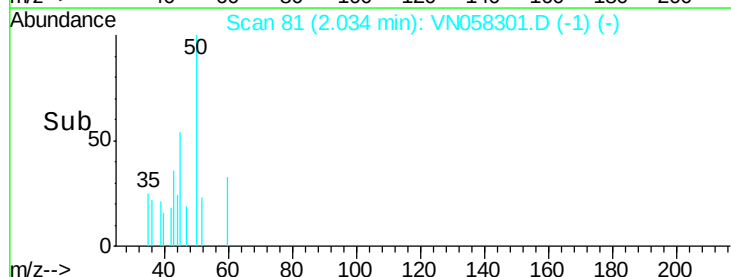
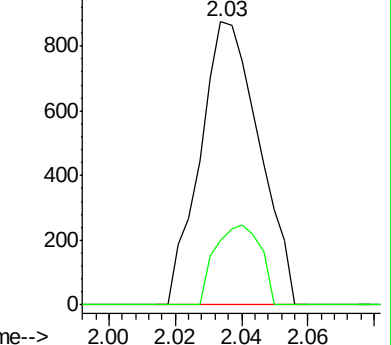
50 100

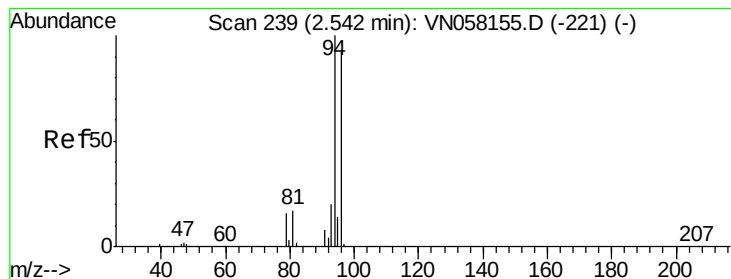
52 23.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.739 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN058301.D

Acq: 23 Sep 2019 18:28

Instrument :

MSVOA_N

ClientSampleId :

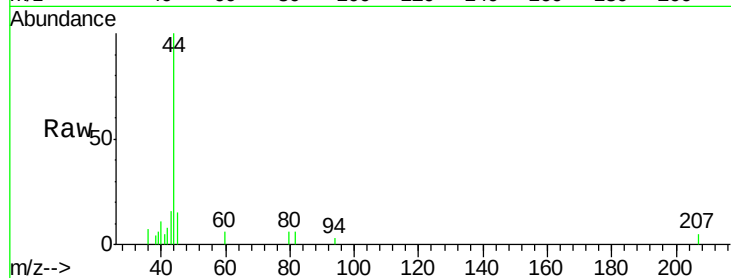
DUP06-20190918

Tot Ion: 94 Resp: 29

Ion Ratio Lower Upper

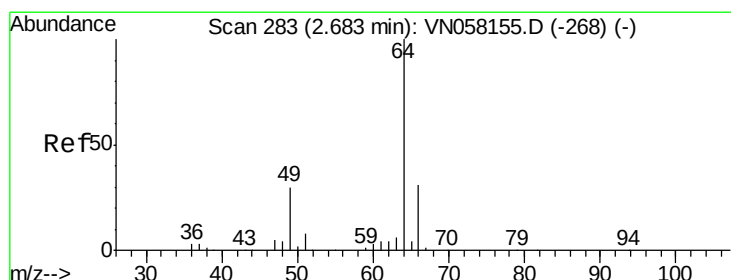
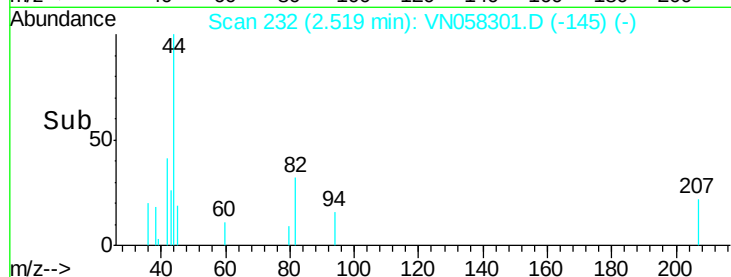
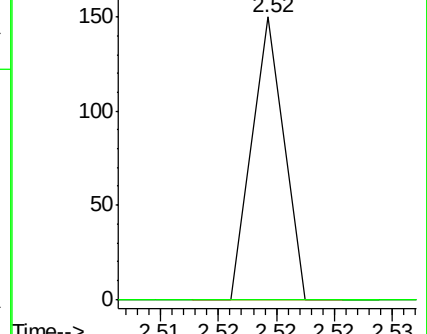
94 100

96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058301.D

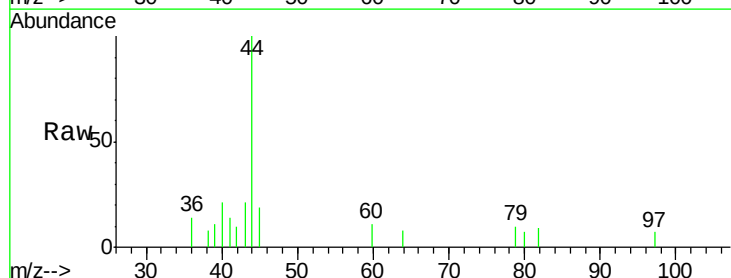
Acq: 23 Sep 2019 18:28

Tgt Ion: 64 Resp: 115

Ion Ratio Lower Upper

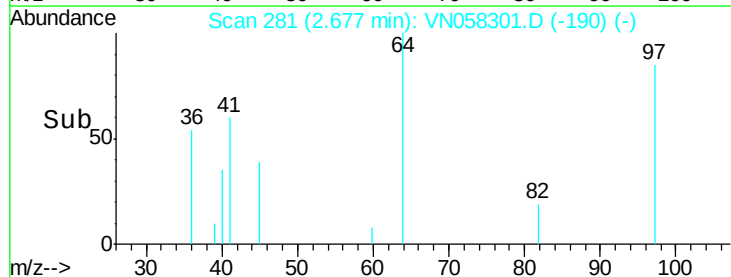
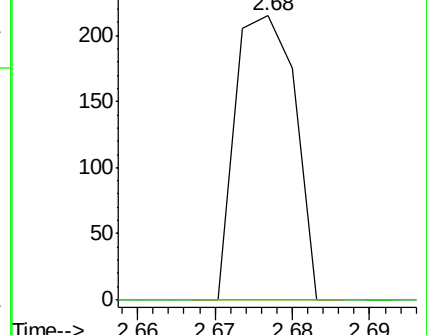
64 100

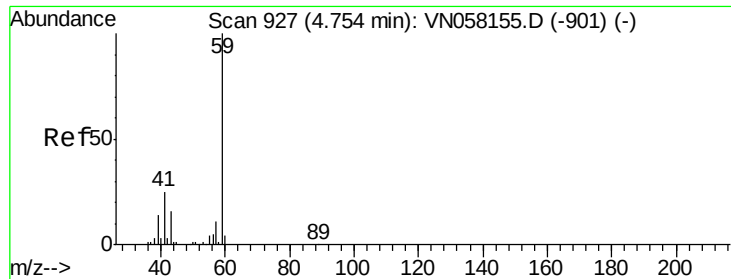
66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

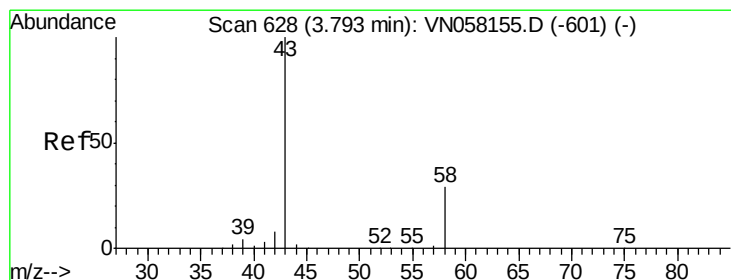
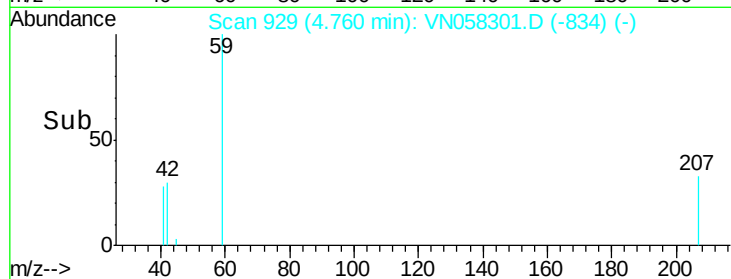
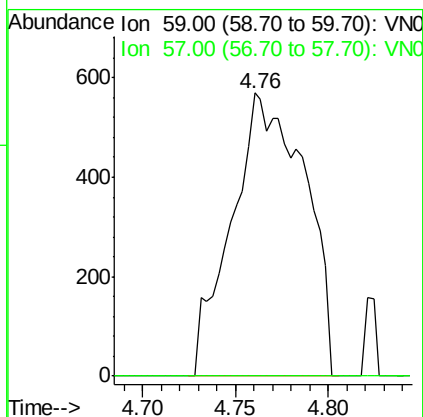
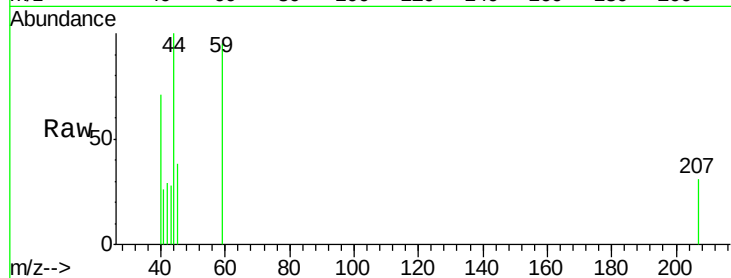




#11
Tert butyl alcohol
Concen: 1.990 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058301.D
Acq: 23 Sep 2019 18:28

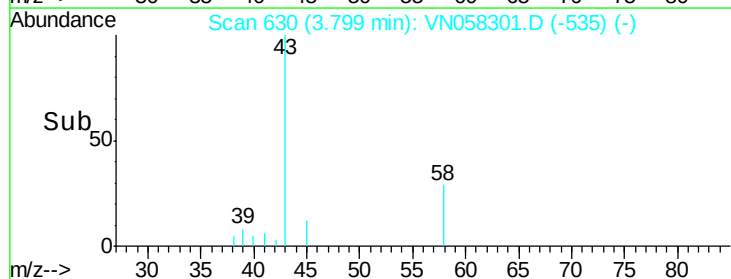
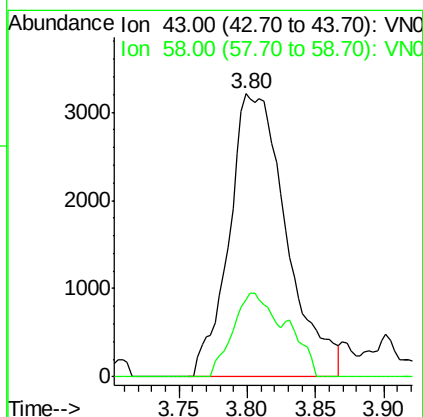
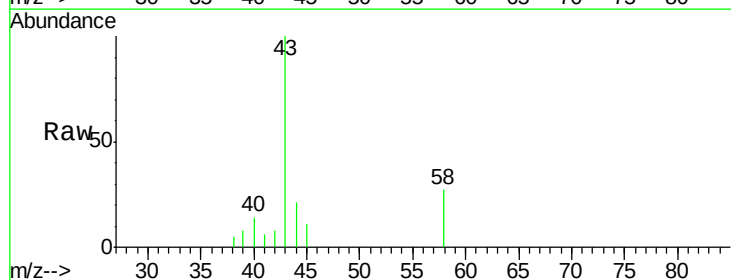
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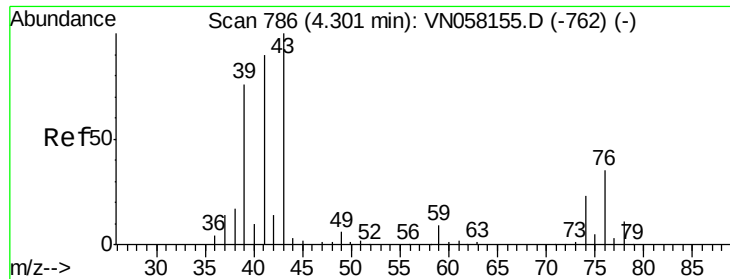
Tot Ion: 59 Resp: 1566
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 4.171 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN058301.D
Acq: 23 Sep 2019 18:28

Tgt Ion: 43 Resp: 9367
Ion Ratio Lower Upper
43 100
58 27.5 23.4 35.2

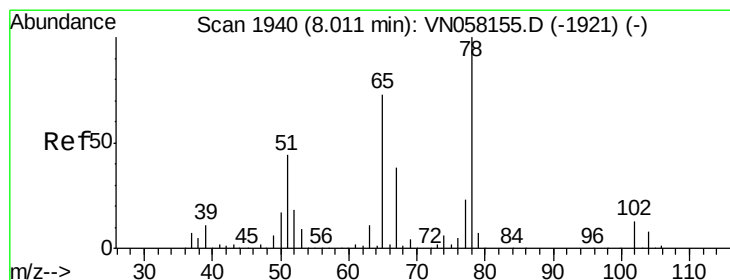
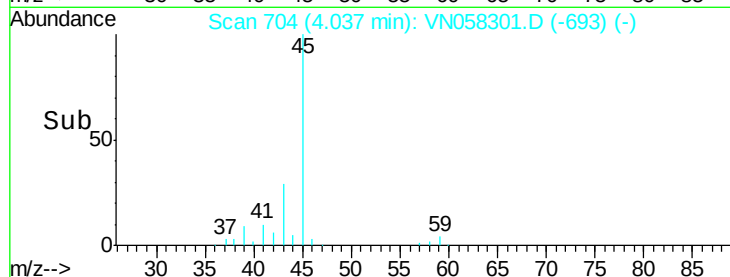
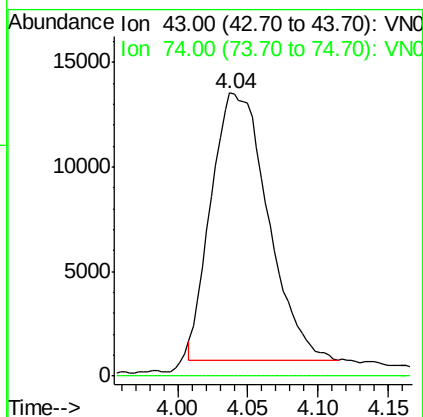
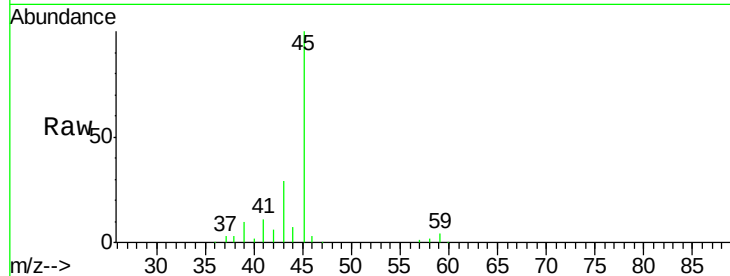




#18
Methvl Acetate
Concen: 6.073 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.26 min
Lab File: VN058301.D
Acq: 23 Sep 2019 18:28

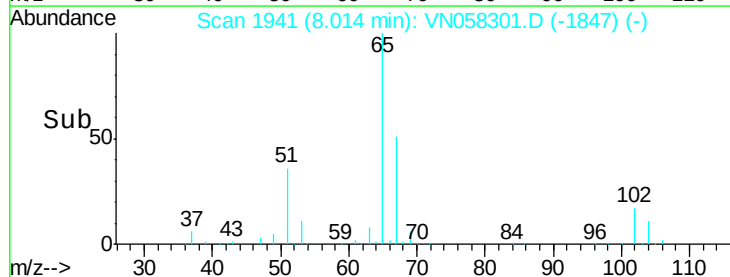
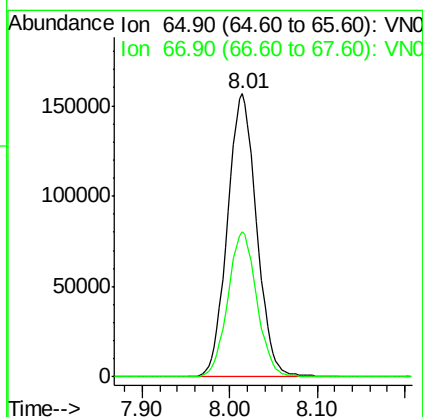
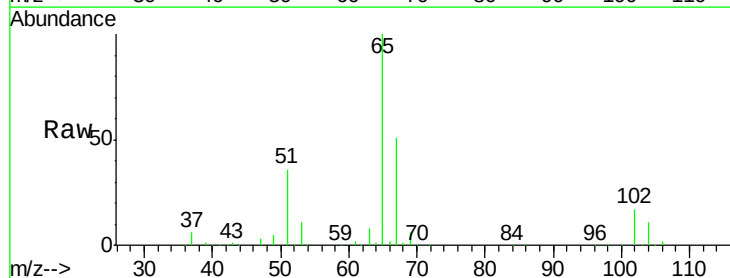
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20190918

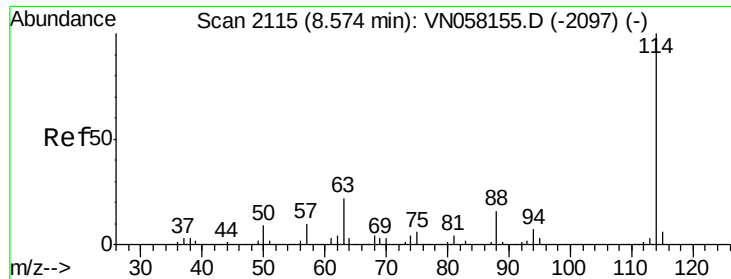
Tot Ion: 43 Resp: 35885
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#33
1,2-Dichloroethane-d4
Concen: 54.823 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058301.D
Acq: 23 Sep 2019 18:28

Tgt Ion: 65 Resp: 362683
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.4

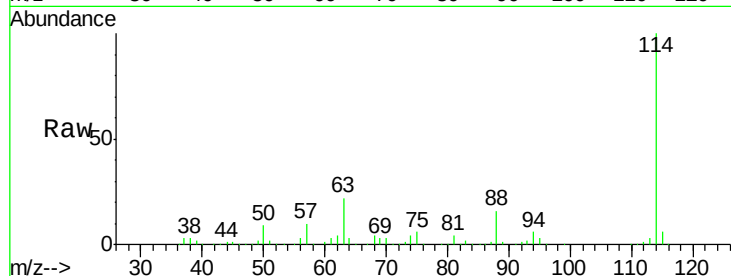




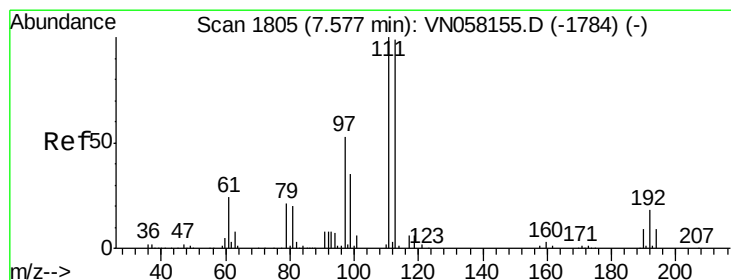
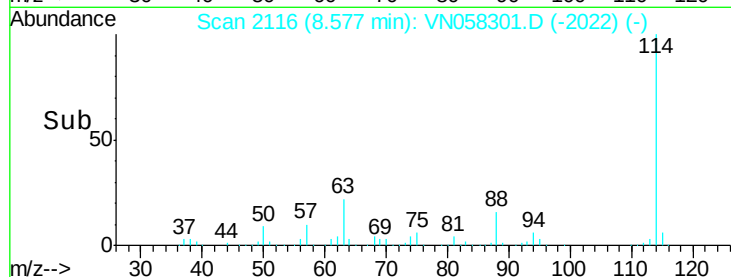
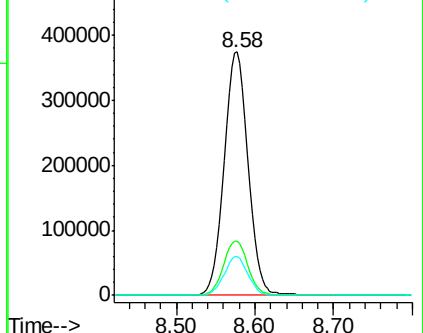
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058301.D
 Acq: 23 Sep 2019 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20190918

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.2
88	16.1	0.0	31.6

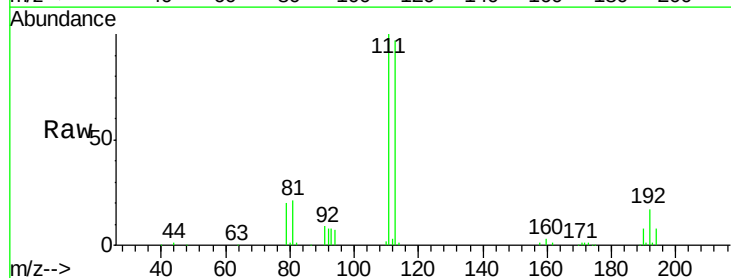


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

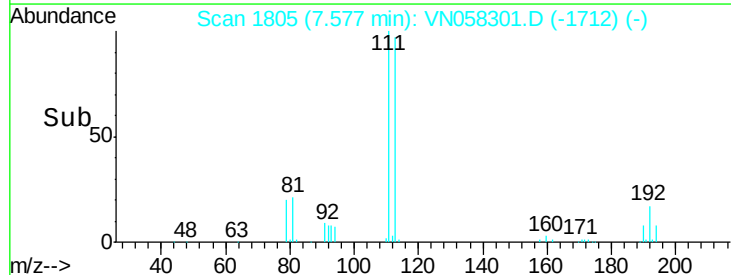
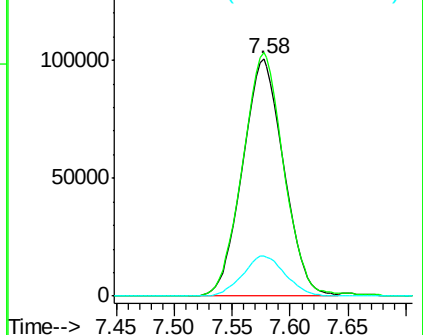


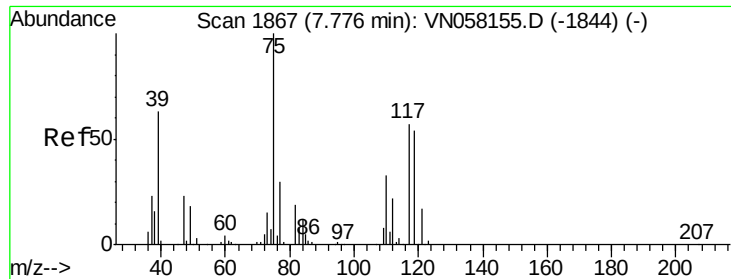
#35
 Dibromofluoromethane
 Concen: 52.277 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058301.D
 Acq: 23 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.7	14.5	21.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

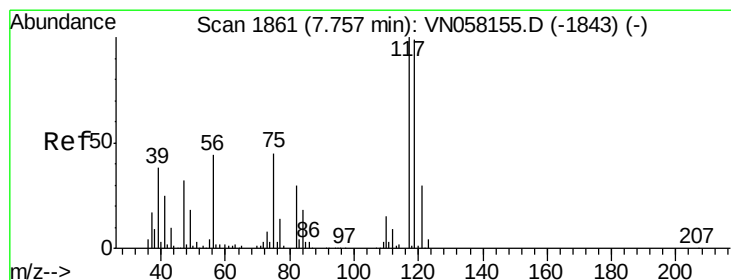
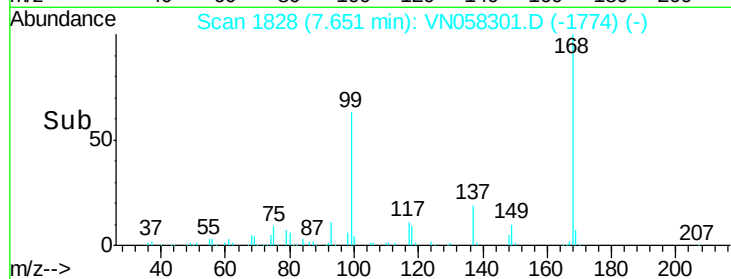
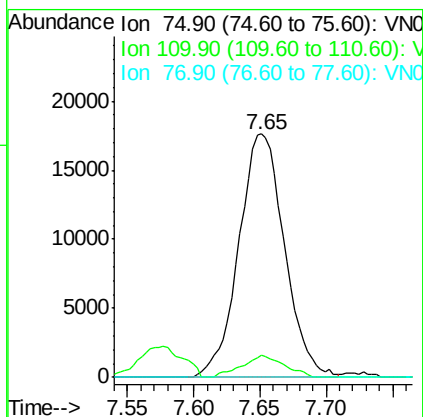
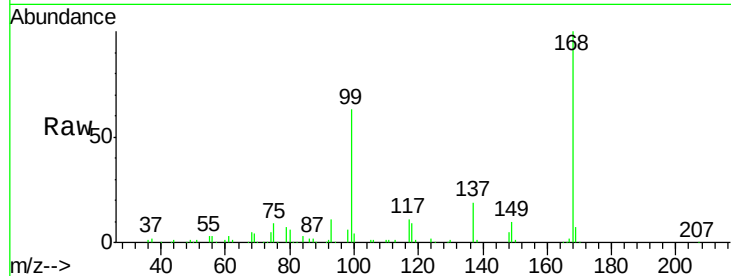




#36
 1,1-Dichloropropene
 Concen: 7.475 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058301.D
 Acq: 23 Sep 2019 18:28

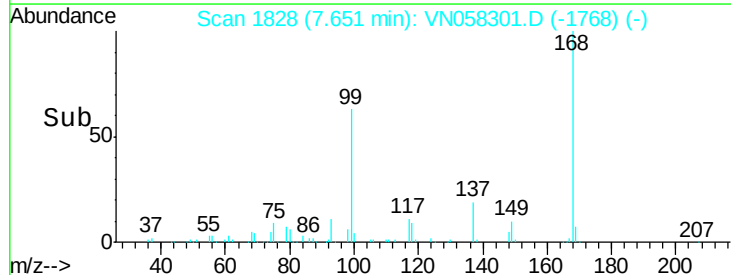
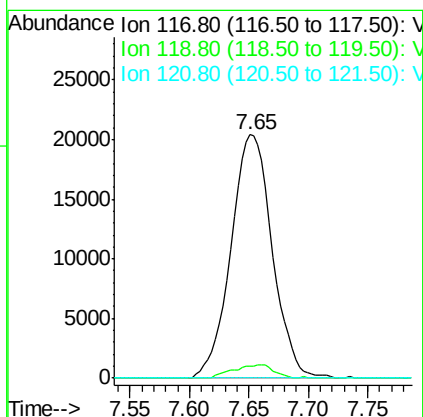
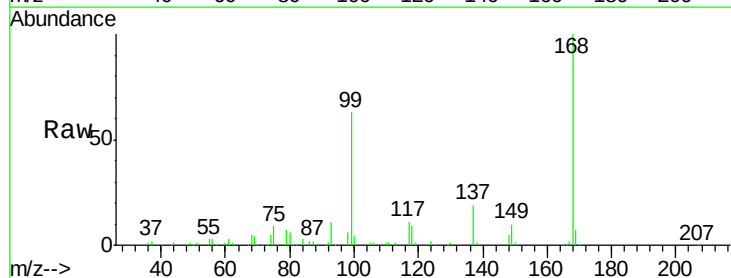
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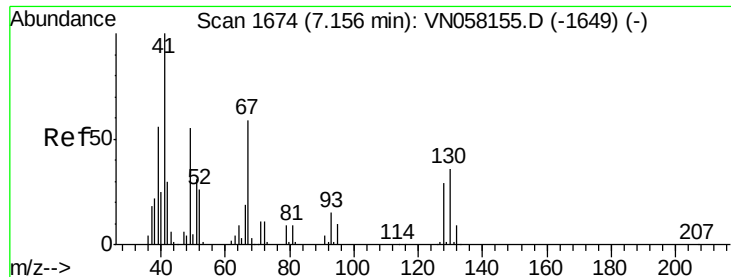
Tot Ion	75	Resp	42269
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.626 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058301.D
 Acq: 23 Sep 2019 18:28

Tgt Ion	117	Resp	49032
Ion Ratio	Lower	Upper	
117	100		
119	5.1	78.6	117.8#
121	0.0	24.1	36.1#

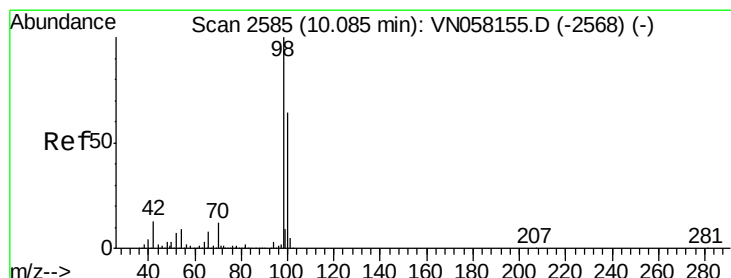
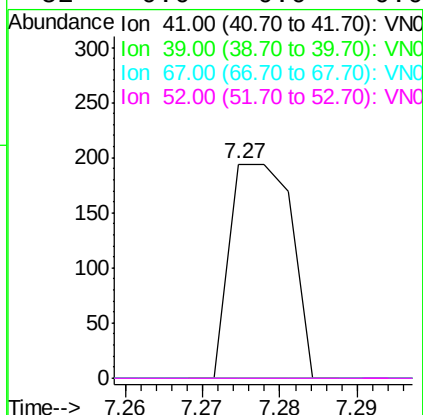
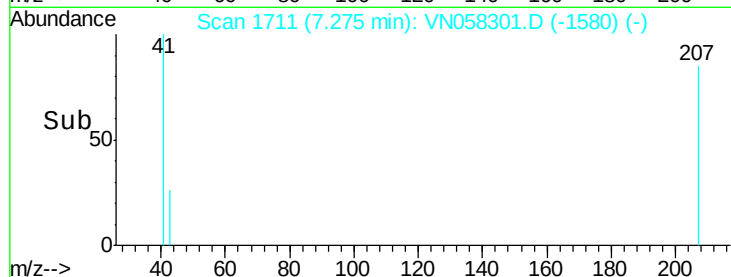
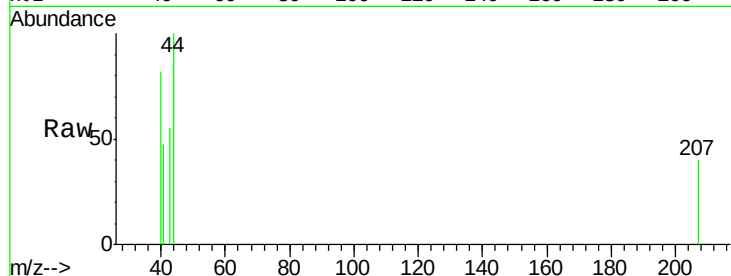




#41
Methacrylonitrile
Concen: 0.947 ug/l
RT: 7.27 min Scan# 1711
Delta R.T. 0.12 min
Lab File: VN058301.D
Acq: 23 Sep 2019 18:28

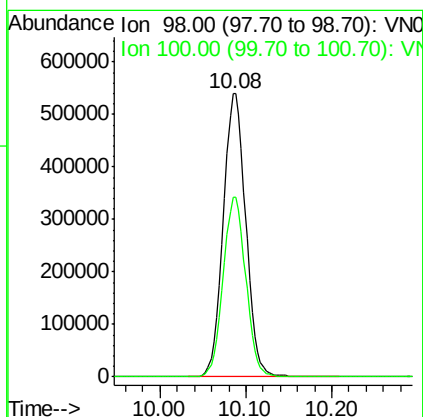
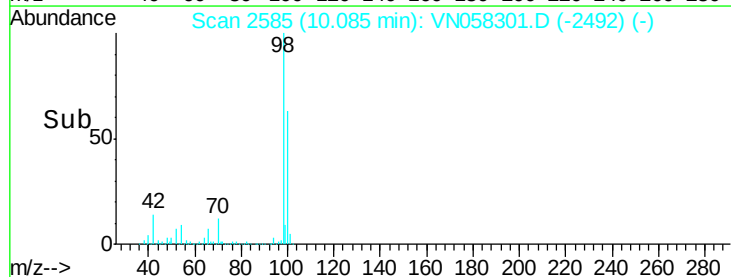
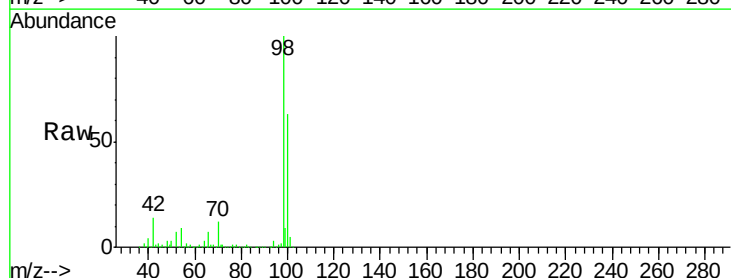
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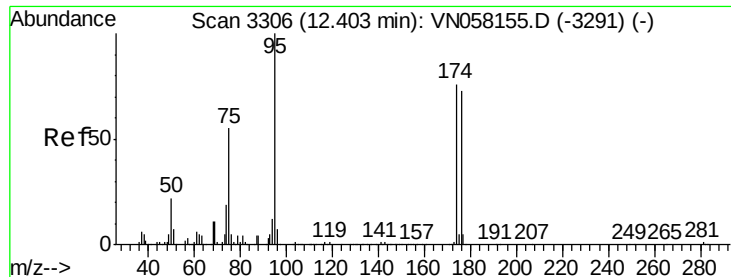
Tot Ion:	41	Resp:	108
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 53.062 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058301.D
Acq: 23 Sep 2019 18:28

Tgt Ion:	98	Resp:	985550
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#62

4-Bromofluorobenzene

Concen: 45.124 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058301.D

Acq: 23 Sep 2019 18:28

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20190918

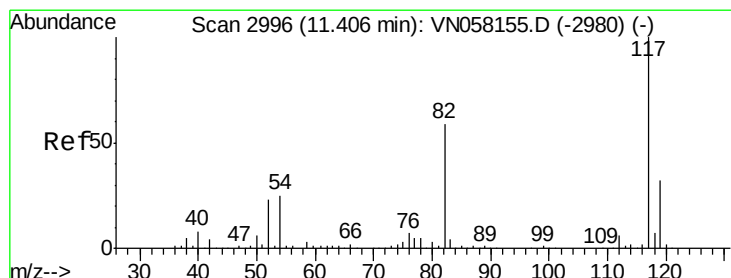
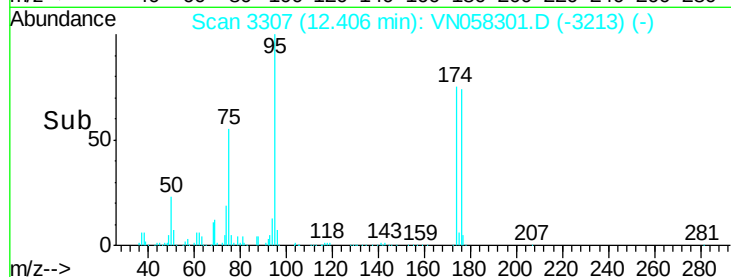
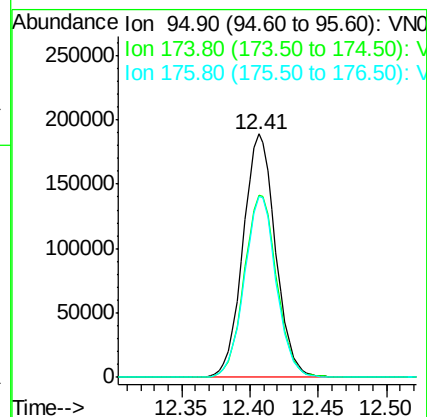
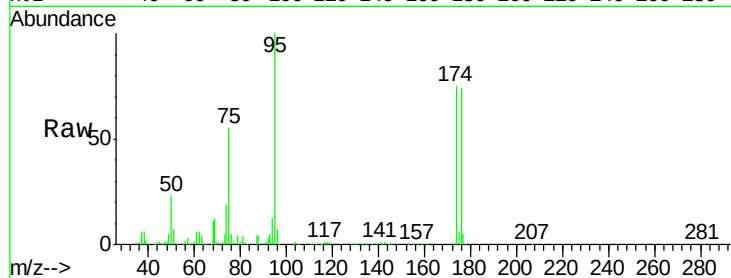
Tot Ion: 95 Resp: 311324

Ion Ratio Lower Upper

95 100

174 75.3 0.0 152.2

176 73.3 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058301.D

Acq: 23 Sep 2019 18:28

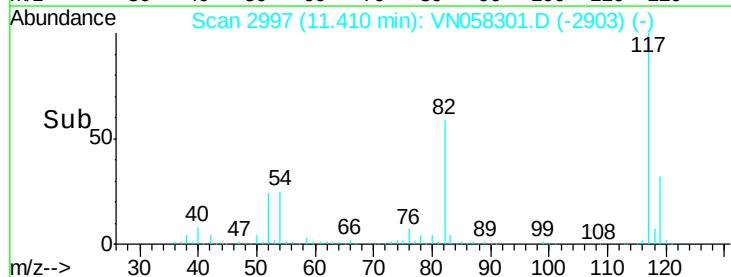
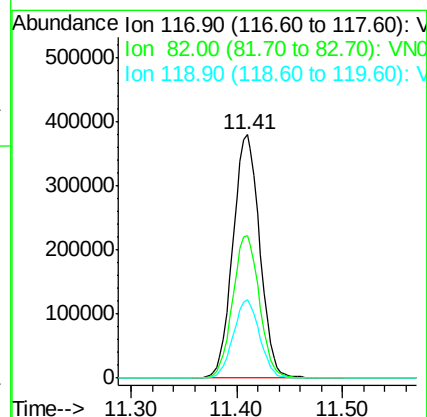
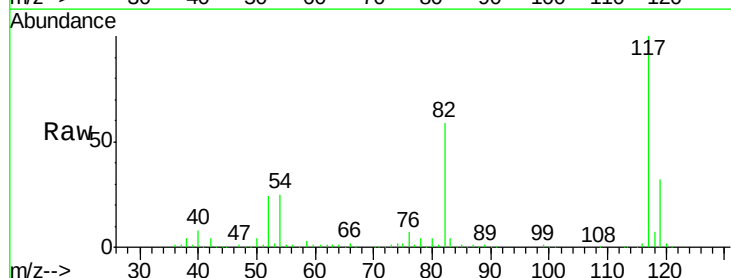
Tgt Ion: 117 Resp: 669756

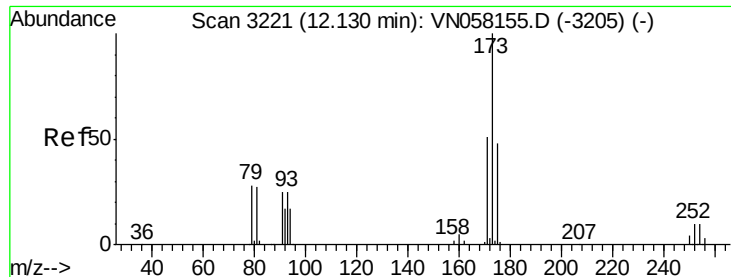
Ion Ratio Lower Upper

117 100

82 58.5 46.9 70.3

119 32.1 25.3 37.9





#71

Bromoform

Concen: 3.734 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN058301.D

Acq: 23 Sep 2019 18:28

Instrument :

MSVOA_N

ClientSampled :

DUP06-20190918

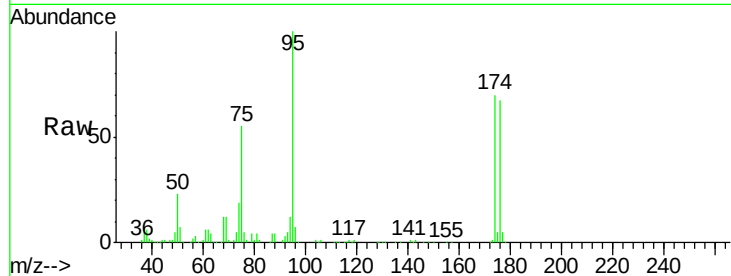
Tot Ion:173 Resp: 473

Ion Ratio Lower Upper

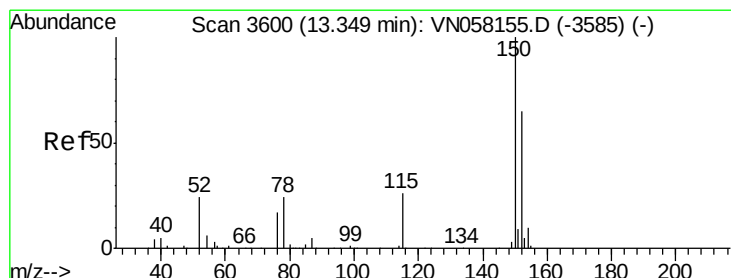
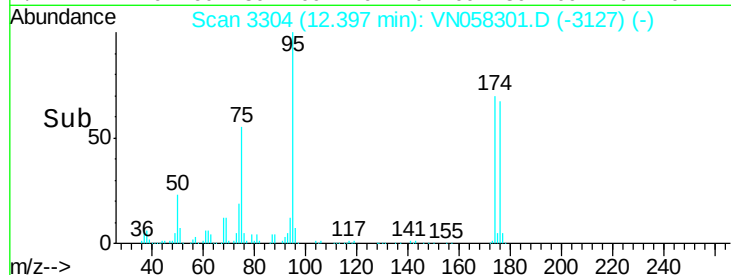
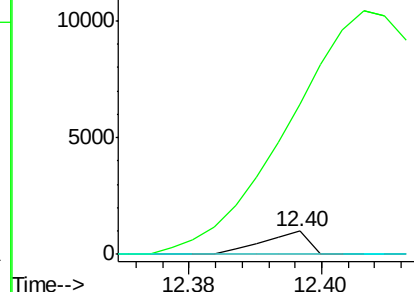
173 100

175 3004.2 24.2 72.6#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058301.D

Acq: 23 Sep 2019 18:28

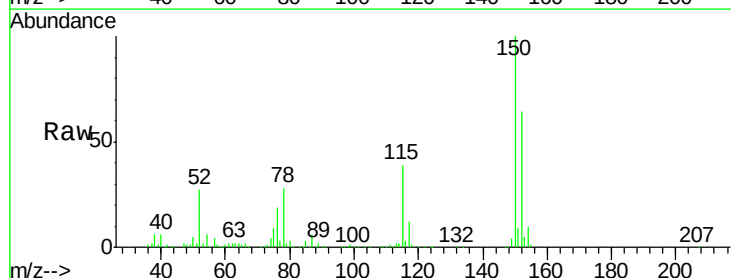
Tgt Ion:152 Resp: 269280

Ion Ratio Lower Upper

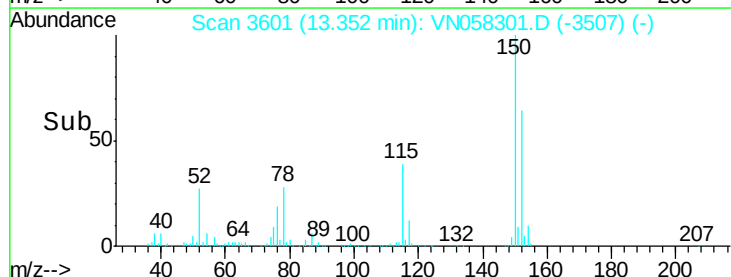
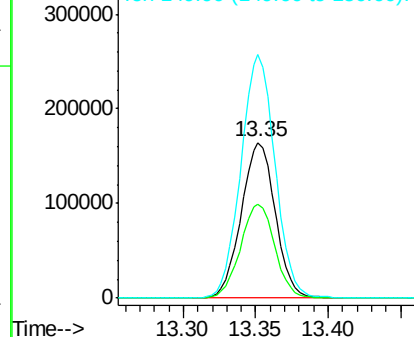
152 100

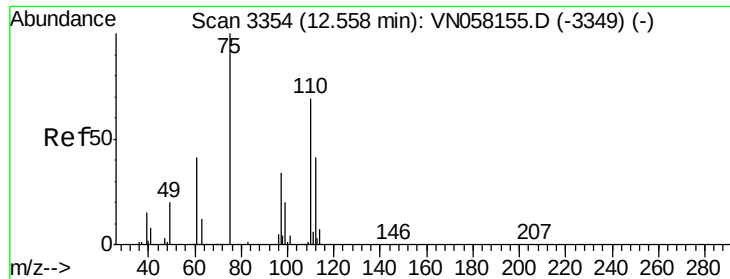
115 60.7 30.1 90.3

150 156.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

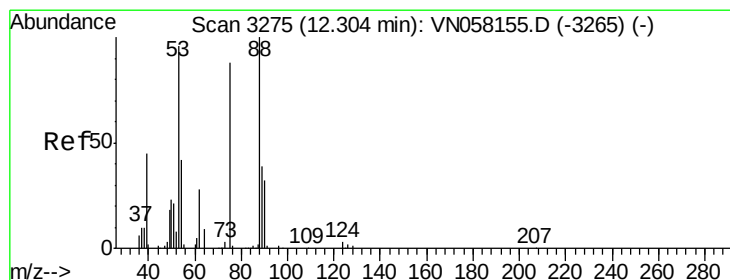
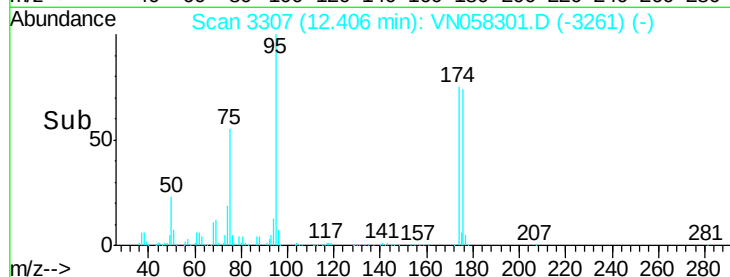
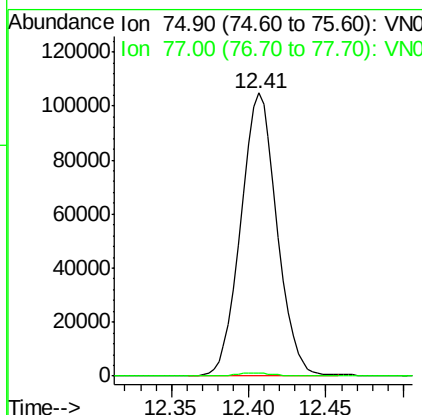
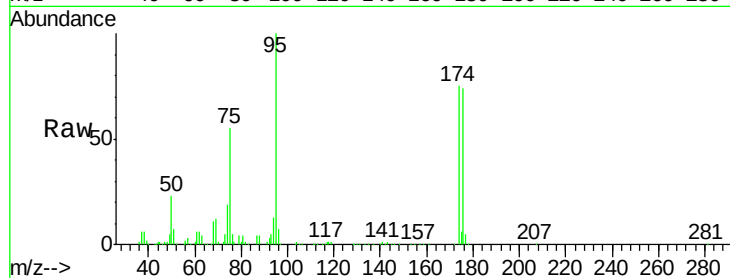




#76
 1,2,3-Trichloropropane
 Concen: 35.455 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN058301.D
 Acq: 23 Sep 2019 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20190918

Tot Ion: 75 Resp: 170868
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.105 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058301.D
 Acq: 23 Sep 2019 18:28

Tgt Ion: 75 Resp: 170868
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 36.2 54.2#

